

In the Claims

Claims 1, 2, 6, 15, 19, 21, 25 and 30 are amended.

Claims 1-32 remain in the application and are listed below as follows:

5 1. (Currently Amended) A method of operating a printer comprising:
monitoring content of one or more documents that are to be printed on a
printer, said monitoring taking place within a printer that is to print the one or
more documents;

10 determining whether the monitored content is of interest to an organization
of which the printer comprises a part; and

monitoring one or more variables or parameters associated with the security
of the printer, wherein at least one of said variables or parameters is associated
with I/O activities of data that is to be or has been printed on the printer; and

generating a notification if the content is of interest to the organization.

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2. (Currently Amended) The method of claim 1, wherein said
monitoring content comprises receiving and analyzing a data stream in the printer,
the data stream pertaining to the one or more documents that are to be printed.

20 3. (Original) The method of claim 1, wherein said determining
comprises ascertaining whether the content includes one or more keywords or
phrases.

25 4. (Original) The method of claim 1, wherein said determining
comprises ascertaining whether the content comprises a particular structure.

5. (Original) The method of claim 1, wherein said generating comprises generating a notification that includes at least a portion of the content that is of interest to the organization.

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6. (Currently Amended) A method of operating a printer comprising:
providing a context-analyzer within a printer;
receiving a data stream into the printer, the data stream representing a document that is to be printed by the printer;
10 providing a data stream to the context-analyzer; and
analyzing the provided data stream with the context-analyzer to ascertain one or more contexts associated with the data stream; and
monitoring one or more variables or parameters associated with the security of the printer, wherein at least one of said variables or parameters is associated
15 with I/O activities of data that is to be or has been printed on the printer.

7. (Original) The method of claim 6, wherein said providing of the context-analyzer comprises delivering the context-analyzer to the printer via a network.

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8. (Original) The method of claim 6, wherein said providing of the context-analyzer comprises delivering the context-analyzer in the form of an applet to the printer via a network.

9. (Original) The method of claim 6, wherein said analyzing comprises using a structure detector that is configured to analyze the data stream so that it can ascertain a structure associated with a document that is to be printed.

5 10. (Original) The method of claim 6, wherein said analyzing comprises using a keyword detector that is configured to analyze the data stream so that it can ascertain one or more keywords or phrases that appear in a document that is to be printed.

10 11. (Original) The method of claim 6 further comprising self-replicating the context-analyzer to other printers on a network.

12. (Original) The method of claim 11, said self-replicating comprises:
seeking out other network printers;
15 copying the context-analyzer; and
providing at least one copy of the context-analyzer to the other network printers.

13. (Original) The method of claim 6 further comprising reporting on the
20 context of the data stream.

14. (Original) The method of claim 13, wherein said reporting comprises reporting context information to a computing entity.

25 15. (Currently Amended) A method of operating a printer comprising:

defining a document profile;
programming a context-analyzer with the document profile;
providing the context-analyzer within a printer;
receiving a data stream with the context-analyzer, the data stream being
5 associated with a document that is to be printed by the printer;
analyzing the data stream with the context-analyzer; and
determining whether the data stream meets the document profile within
some degree of certainty; and
monitoring one or more variables or parameters associated with the security
10 of the printer, wherein at least one of said variables or parameters is associated
with I/O activities of data that is to be or has been printed on the printer.

16. (Original) The method of claim 15, further comprising generating a notification if the document profile is met.

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17. (Original) The method of claim 15, wherein said programming occurs after said providing.

18. (Original) The method of claim 15, wherein said defining of the
20 document profile comprises doing so using one or more keywords or phrases.

19. (Currently Amended) One or more computer-readable media having computer-readable instructions thereon which, when executed by a printer, cause the printer to:

monitor content of one or more documents that are to be printed on a printer;

determine whether the monitored content is of interest to an organization; and

5 generate a notification if the content is of interest to the organization; and
monitor one or more variables or parameters associated with the security of the printer, wherein at least one of said variables or parameters is associated with I/O activities of data that is to be or has been printed on the printer.

10 20. (Original) The computer-readable media of claim 19, wherein the instructions cause the printer to determine whether the content is of interest by comparing document content with one or more defined profiles that describe information that is of interest to the organization.

15 21. (Currently Amended) An apparatus comprising:

at least one printer; and

a context-analyzer resident in said at least one printer and configured to monitor content of one or more documents that are to be printed on the printer and determine whether the content is of interest to an organization of which the printer

20 comprises a part; and

a printer monitor associated with said at least one printer and configured to monitor one or more variables or parameters associated with the security of the printer, wherein at least one of said variables or parameters is associated with I/O activities of data that is to be or has been printed on the printer.

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22. (Original) The apparatus of claim 21, wherein the context-analyzer is configured to generate a notification if the content is of interest to the organization.

23. (Original) The apparatus of claim 21, wherein the context-analyzer is
5 configured to self-replicate itself to other printers across a network to which the at least one printer has access.

24. (Original) The apparatus of claim 21 further comprising:
at least one other printer having a context-analyzer; and
10 a network configured to establish a communication link between the printers.

25. (Currently Amended) An apparatus comprising:
at least one printer; and
15 a context-analyzer resident in the printer and configured to:
receive a data stream within the printer, the data stream representing a document that is to be printed by the printer; and
analyze the data stream to ascertain one or more contexts associated with the data stream; and
20 a printer monitor associated with said at least one printer and configured to monitor one or more variables or parameters associated with the security of the printer, wherein at least one of said variables or parameters is associated with I/O activities of data that is to be or has been printed on the printer.

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26. (Original) The apparatus of claim 25, wherein the context-analyzer is configured to analyze the data stream by using a structure detector to detect a structure of a document that is to be printed.

5 27. (Original) The apparatus of claim 25, wherein the context-analyzer is configured to analyze the data stream by using a keyword detector that is configured to analyze a data stream so that it can ascertain one or more keywords or phrases that appear in a document that is to be printed.

10 28. (Original) The apparatus of claim 25 further comprising:
at least one other printer having a context-analyzer; and
a network configured to establish a communication link between the printers.

15 29. (Original) The apparatus of claim 28, wherein said context-analyzer is configured to self-replicate itself to other printers on the network.

30. (Currently Amended) An architecture comprising:
one or more context-analyzers, each of which being configured to:
20 receive a data stream within a printer, the data stream representing a document that is to be printed by the printer; and
analyze the data stream to ascertain one or more contexts associated with the data stream; and
a printer monitor associated with the printer and configured to monitor one
25 or more variables or parameters associated with the security of the printer, wherein

at least one of said variables or parameters is associated with I/O activities of data
that is to be or has been printed on the printer.

31. (Original) The architecture of claim 30, wherein the context-analyzers are configured to generate a notification based on the context of a data stream.

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32. (Original) The architecture of claim 30, wherein the context-analyzers are configured to analyze the data stream by comparing content of the
10 data stream with one or more profiles defining information of interest.